

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: **Nemerow et al.**

Serial No.: **09/903,327**

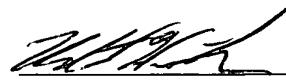
Filed: **July 10, 2000**

For: **BIFUNCTIONAL MOLECULES AND
VECTORS COMPLEXED
THEREWITH FOR TARGETED GENE
DELIVERY**

Art Unit: **1632**

I hereby certify that this paper and the attached papers are being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Commissioner for Patents
Box Missing Parts
Washington, D.C. 20231, on this date.

10/19/2001
Date


Robert Wickman

RESPONSE TO NOTICE TO FILE MISSING PARTS AND NOTICE TO COMPLY

Commissioner for Patents
Box Missing Parts
Washington, D.C. 20231

Sir:

In response to the Notice to File Missing Parts mailed August 30, 2001, the following documents are submitted herewith:

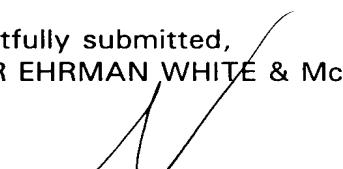
- 1) A copy of the Notice to File Missing Parts;
- 2) Executed Declaration for Patent Application;
- 3) Two (2) Assignments from the inventors to **The Scripps Research Institute** along with a Recordation Form Cover Sheet;
- 4) Amendment and Response to Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures;
- 5) Executed Verified Statement Pursuant to 37 § C.F.R. 1.821(f);
- 6) Computer Readable Form (CRF) of Sequence Listing;
- 7) A check in the amount of \$170 which includes the \$130 large entity surcharge, and \$40 assignment recordation fee.

U.S.S.N. 09/903,327
NEMEROW et al.
RESPONSE TO NOTICE TO FILE MISSING PARTS

The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,
HELLER EHRMAN WHITE & McAULIFFE LLP

By:


Stephanie Seidman
Registration No. 33,779

Attorney Docket 22908-1228B

Address all correspondence to:

HELLER EHRMAN WHITE & McAULIFFE LLP
4350 La Jolla Village Drive
San Diego, California 92122-1246
Telephone: (858) 450-8400
Facsimile: (858) 587-5360
E-mail: sseidman@HEWM.com



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/903,327	07/10/2001	Glen R. Nemerow	22908-1228B



Stephanie Seidman
 Heller Ehrman White & McAuliffe LLP
 6th Floor
 4350 La Jolla Village Drive
 San Diego, CA 92122

CONFIRMATION NO. 7374 FORMALITIES LETTER



OC00000006498822

Date Mailed: 08/30/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- o The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- o To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- o **The balance due by applicant is \$ 130.**
- o This application does not contain a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). Applicant must provide such statement. If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).
- o A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216

01/22/2002 SLUANG1 00000143 09903327

01 FC:105

130.00 0P

- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

A copy of this notice MUST be returned with the reply.



Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

**RAW SEQUENCE LISTING
ERROR REPORT**



BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/903,327

Source: OPIE

Date Processed by STIC: 7/24/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>09/903, 327</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENCLISII "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u>Wrapped Nucleic Wrapped Aminos</u>	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u>Invalid Line Length</u>	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u>Misaligned Amino Numbering</u>	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u>Non-ASCII</u>	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u>Variable Length</u>	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.	
6 <u>PatentIn 2.0 "bug"</u>	A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.	
7 <u>Skipped Sequences (OLD RULES)</u>	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u>Skipped Sequences (NEW RULES)</u>	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: <210> sequence id number <400> sequence id number 000	
9 <u>Use of n's or Xaa's (NEW RULES)</u>	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <u>Invalid <213> Response</u>	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u>Use of <220></u>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u>PatentIn 2.0 "bug"</u>	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/903,327

DATE: 07/24/2001
TIME: 11:08:21

Input Set : A:\es.txt
Output Set: N:\CRF3\07242001\I903327.raw

pp 246
Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Nemerow, Glen R.
4 Li, Erguang
6 <120> TITLE OF INVENTION: BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR

ARGETED

7 GENE
8 DELIVERY
10 <130> FILE REFERENCE: 22908-1228
12 <140> CURRENT APPLICATION NUMBER: US/09/903,327
13 <141> CURRENT FILING DATE: 2001-07-10
15 <150> PRIOR APPLICATION NUMBER: ~~converted to a provisional from~~ 09/613,017
16 <151> PRIOR FILING DATE: 2000-07-10
18 <160> NUMBER OF SEQ ID NOS: 33
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0

RRORED SEQUENCES

22 <210> SEQ ID NO: 1
23 <211> LENGTH: 1516
24 <212> TYPE: DNA
25 <213> ORGANISM: Mouse
27 <220> FEATURE:
28 <221> NAME/KEY: CDS
29 <222> LOCATION: (28)...(1395)
30 <223> OTHER INFORMATION: DAV-1 heavy chain, penton base monoclonal antibody
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35 1 5
37 ctc ctg tca gga act gca ggc gtc cac tct gag gtc cag ctt cag cag 102
38 Leu Leu Ser Gly Thr Ala Gly Val His Ser Glu Val Gln Leu Gln
39 10 15 20 25
41 tca gga cct gag ctg gtg aaa cct ggg gcc tca gtg aag ata tcc tgc 150
42 Ser Gly Pro Glu Leu Val Lys Pro Gly Ala Ser Val Lys Ile Ser Cys
43 30 35 40
45 aag gct tct gga tac aca ttc act gac tac aac atg cac tgg gtg aag 198
46 Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Asn Met His Trp Val Lys
47 45 50 55
49 cag agc cat gga aag agc ctt gag tgg att gga tat att tat cct tac 246
50 Gln Ser His Gly Lys Ser Leu Glu Trp Ile Gly Tyr Ile Tyr Pro Tyr
51 60 65 70
53 aaa ggt ggt act ggc tac aac cag aag ttc aag agc aag gcc aca ttg 294
54 Lys Gly Thr Gly Tyr Asn Gln Lys Phe Lys Ser Lys Ala Thr Leu
55 75 80 85
57 aca aca gac agt tcc tcc aac aca gcc tac atg gag ctc cgc agc ctg 342
58 Thr Thr Asp Ser Ser Asn Thr Ala Tyr Met Glu Leu Arg Ser Leu
59 90 95 100 105
61 aca tct gat gcc tct gca gtc tat tac tgt gca aga ggg att gtc tac 390

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PATENT APPLICATION: US/09/903,327

DATE: 07/24/2001
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63 110 115 120
65 tgg ggc caa ggg act ctg gtc act gtc tct gca gcc aaa acg aca ccc 438
66 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ala Ala Lys Thr Thr Pro
67 125 130 135
69 cca tct gtc tat cca ctg gcc cct gga tct gct gcc caa act aac tcc 486
70 Pro Ser Val Tyr Pro Leu Ala Pro Gly Ser Ala Ala Gln Thr Asn Ser
71 140 145 150
73 atg gtg acc ctg gga tgc ctg gtc aag ggc tat ttc cct gag cca gtg 534
74 Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro Val
75 155 160 165
77 aca gtg acc tgg aac tct gga tcc ctg tcc agc ggt gtg cac acc ttc 582
78 Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr Phe
79 170 175 180 185
81 cca gct gtc ctg cag tct gac ctc tac act ctg agc agc tca gtg act 630
82 Pro Ala Val Leu Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val Thr
83 190 195 200
85 gtc ccc tcc agc acc tgg ccc agc gag acc gtc acc tgc aac gtt gcc 678
86 Val Pro Ser Ser Thr Trp Pro Ser Glu Thr Val Thr Cys Asn Val Ala
87 205 210 215
89 cac ccg gcc agc agc acc aag gtg gac aag aaa att gtg ccc agg gat 726
90 His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg Asp
91 220 225 230
--> 93 tgt ggt tgt aag cct tgc ata tgt aca gtc cca gaa gta tca tct gtc 765 774
94 Cys Gly Cys Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser Val
95 235 240 245
97 ttc atc ttc ccc cca aag ccc aag gat gtg ctc acc att act ctg act 822
98 Phe Ile Phe Pro Pro Lys Pro Asp Val Leu Thr Ile Thr Leu Thr
99 250 255 260 265
101 cct aag gtc acg tgt gtt gtg gta gac atc agc aag gat gat ccc gag 870
102 Pro Lys Val Thr Cys Val Val Asp Ile Ser Lys Asp Asp Pro Glu
103 270 275 280
105 gtc cag ttc agc tgg ttt gta gat gat gtg gag gtg cac aca gct cag 918
106 Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala Gln
107 285 290 295
109 acg caa ccc cgg gag gag cag ttc aac agc act ttc cgc tca gtc agt 966
110 Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val Ser
111 300 305 310
113 gaa ctt ccc atc atg cac cag gac tgg ctc aat ggc aag gag ttc aaa 1014
114 Glu Leu Pro Ile Met His Gln Asp Trp Leu Asn Gly Lys Glu Phe Lys
115 315 320 325
117 tgc agg gtc aac agt gca gct ttc cct gcc ccc atc gag aaa acc atc 1062
118 Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr Ile
119 330 335 340 345
121 tcc aaa acc aaa ggc aga ccg aag gct cca cag gtg tac acc att cca 1110
122 Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile Pro
123 350 355 360
125 cct ccc aag gag cag atg gcc aag gat aaa gtc agt ctg acc tgc atg 1158
126 Pro Pro Lys Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys Met

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/903,327

DATE: 07/24/2001
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Input Set : A:\es.txt
Output Set: N:\CRF3\07242001\I903327.raw

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130	Ile Thr Asp Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp Asn			
131	380	385	390	
133	ggg cag cca gcg gag aac tac aag aac act cag ccc atc atg gac aca			1254
134	Gly Gln Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asp Thr			
135	395	400	405	
137	gat ggc tct tac ttc gtc tac agc aag ctc aat gtg cag aag agc aac			1302
138	Asp Gly Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser Asn			
139	410	415	420	425
141	tgg gag gca gga aat act ttc atc tgc tct gtg tta cat gag ggc ctg			1350
142	Trp Glu Ala Gly Asn Thr Phe Ile Cys Ser Val Leu His Glu Gly Leu			
143	430	435	440	
145	cac aac cac cat act gag aag agc ctc tcc cac tct cct ggt aaa			1395
146	His Asn His His Thr Glu Lys Ser Leu Ser His Ser Pro Gly Lys			
147	445	450	455	
149	tgatcccaagt gtccttggag ccctctggc ctacaggact ctgtcaccta cctccacccc			1455
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151	a			1516
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736	<211> LENGTH: 510			
737	<212> TYPE: PRT			
738	<213> ORGANISM: Artificial Sequence			
740	<220> FEATURE:			
741	<223> OTHER INFORMATION: Fusion protein with N-terminal portion of DAV-1 heavy chain			
742	and IGF-1 mature peptide			
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746	1 5 10 15			
747	Val His Ser Glu Val Gln Leu Gln Ser Gly Pro Glu Leu Val Lys			
748	20 25 30			
749	Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe			
750	35 40 45			
751	Thr Asp Tyr Asn Met His Trp Val Lys Gln Ser His Gly Lys Ser Leu			
752	50 55 60			
753	Glu Trp Ile Gly Tyr Ile Tyr Pro Tyr Lys Gly Gly Thr Gly Tyr Asn			
754	65 70 75 80			
755	Gln Lys Phe Lys Ser Lys Ala Thr Leu Thr Thr Asp Ser Ser Ser Asn			
756	85 90 95			
757	Thr Ala Tyr Met Glu Leu Arg Ser Leu Thr Ser Asp Ala Ser Ala Val			
758	100 105 110			
759	Tyr Tyr Cys Ala Arg Gly Ile Ala Tyr Trp Gly Gln Gly Thr Leu Val			
760	115 120 125			
761	Thr Val Ser Ala Ala Lys Thr Thr Pro Pro Ser Val Tyr Pro Leu Ala			
762	130 135 140			
763	Pro Gly Ser Ala Ala Gln Thr Asn Ser Met Val Thr Leu Gly Cys Leu			
764	145 150 155 160			
765	Val Lys Gly Tyr Phe Pro Glu Pro Val Thr Val Thr Trp Asn Ser Gly			
766	165 170 175			

P.Y

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/903,327

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Input Set : A:\es.txt
Output Set: N:\CRF3\07242001\I903327.raw

767 Ser Leu Ser Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Asp
 768 180 185 190
 769 Leu Tyr Thr Leu Ser Ser Ser Val Thr Val Pro Ser Ser Thr Trp Pro
 770 195 200 205
 771 Ser Glu Thr Val Thr Cys Asn Val Ala His Pro Ala Ser Ser Thr Lys
 772 210 215 220
 773 Val Asp Lys Lys Ile Val Pro Arg Asp Cys Gly Cys Lys Pro Cys Ile
 774 225 230 235 240
 775 Cys Thr Val Pro Glu Val Ser Ser Val Phe Ile Phe Pro Pro Lys Pro
 776 245 250 255
 777 Lys Asp Val Leu Thr Ile Thr Leu Thr Pro Lys Val Thr Cys Val Val
 778 260 265 270
 779 Val Asp Ile Ser Lys Asp Asp Pro Glu Val Gln Phe Ser Trp Phe Val
 780 275 280 285
 781 Asp Asp Val Glu Val His Thr Ala Gln Thr Gln Pro Arg Glu Glu Gln
 782 290 295 300
 783 Phe Asn Ser Thr Phe Arg Ser Val Ser Glu Leu Pro Ile Met His Gln
 784 305 310 315 320
 785 Asp Trp Leu Asn Gly Lys Glu Phe Lys Cys Arg Val Asn Ser Ala Ala
 786 325 330 335
 787 Phe Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly Arg Pro
 788 340 345 350
 789 Lys Ala Pro Gln Val Tyr Thr Ile Pro Pro Pro Lys Glu Gln Met Ala
 790 355 360 365
 791 Lys Asp Lys Val Ser Leu Thr Cys Met Ile Thr Asp Phe Phe Pro Glu
 792 370 375 380
 793 Asp Ile Thr Val Glu Trp Gln Trp Asn Gly Gln Pro Ala Glu Asn Tyr
 794 385 390 395 400
 795 Lys Asn Thr Gln Pro Ile Met Asp Thr Asp Gly Ser Tyr Phe Val Tyr
 796 405 410 415
 797 Ser Lys Leu Asn Val Gln Lys Ser Asn Trp Glu Ala Gly Asn Thr Phe
 798 420 425 430
 799 Ile Cys Ser Val Leu His Glu Phe Gly Pro Glu Thr Leu Cys Gly Ala
 800 435 440 445
 801 Glu Leu Val Asp Ala Leu Gln Phe Val Cys Gly Asp Arg Gly Phe Tyr
 802 450 455 460
 803 Phe Asn Lys Pro Thr Gly Tyr Gly Ser Ser Ser Arg Arg Ala Pro Gln
 804 465 470 475 480
 805 Thr Gly Ile Val Asp Glu Cys Cys Phe Arg Ser Cys Asp Leu Arg Arg
 806 485 490 495
 807 Leu Glu Met Tyr Cys Ala Pro Leu Lys Pro Ala Lys Ser Ala
 808 500 505

510 ← Insert number

1156 <210> SEQ ID NO: 30
 1157 <211> LENGTH: 96
 1158 <212> TYPE: DNA
 1159 <213> ORGANISM: Artificial Sequence

next page

1161 <220> FEATURE:
 1162 <223> OTHER INFORMATION: PCR sense primer for subcloning EGF into DAV-1/EGF
 1163 fusion construct.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/903,327

DATE: 07/24/2001

TIME: 11:08:21

Input Set : A:\es.txt

Output Set: N:\CRF3\07242001\I903327.raw

1165 <400> SEQUENCE: 30
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1167 60
1168 gtgtcatgt atattgaagc attggacaag tatgca 96
1170 <210> SEQ ID NO: 31
1171 <211> LENGTH: 98
1172 <212> TYPE: DNA
1173 <213> ORGANISM: Artificial Sequence
1175 <220> FEATURE:
1176 <223> OTHER INFORMATION: PCR antisense primer for subcloning EGF into DAV-1/EGF
1177 fusion construct.
1179 <400> SEQUENCE: 31
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1181 60
1182 ccaacaacac agttgatgc atacttgtcc aatgcttc 98

format error
see
line 1
in Error
format the

same
error

09/903,327

6

<210> 5
<211> 1314
<212> DNA
<213> Mouse

coding region begins with base at location 1

<220>
<221> CDS (1)
<222> (0) .. (1314)
<223> Portion of DAV-1 heavy chain used for fusion protein
bifunctional antibody

<400> 5

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Met Gly Trp Ser Trp Ile Phe Leu Phe Leu Leu Ser Gly Thr Ala Gly
1 5 10 15

48

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/903,327

DATE: 07/24/2001
TIME: 11:08:22

Input Set : A:\es.txt
Output Set: N:\CRF3\07242001\I903327.raw

:12 M:270 C: Current Application Number differs, Replaced Current Application Number
:93 M:254 E: No. of Bases conflict, LENGTH:Input:765 Counted:774 SEQ:1
:350 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:5, CDS LOCATION: (0)...
1314)
:808 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12
:1166 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:30
:1180 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:31